



Arizona

Barry M. Goldwater Range

Facility and Location

Barry M. Goldwater Range (BMGR) is a satellite facility of Luke Air Force Base and is located in southwest Arizona in Yuma and Maricopa Counties, approximately 40 miles west of downtown Phoenix. BMGR is 1.7 million acres in size and is cooperatively managed by the Air Force and Marine Corps. The western segment serves the Air Force and the Marine Corps as an armament and high hazard testing area; a training area for aerial gunnery, rocketry, electronic warfare and tactical maneuvering and air support; and a place to develop equipment and tactics. The eastern segment serves mainly as an Air Force air-to-air and air-to-ground combat training site.

Media Sampled and Findings

Soil — In 2010, 13 of 13 samples detected perchlorate from 0.37 to 5,800 ppb. In 2009, 20 of 20 samples detected perchlorate from 0.21 to 1,400 ppb.

Appropriate Actions

Future sampling will occur as part of a required Resource Conservation and Recovery Act (RCRA) Facility Investigation. The installation is evaluating the potential environmental impact of non-range exempt historic munitions disposal activities at Auxiliary Field 6 NW open burn/open detonation area and infield burn furnace.

A RCRA Facility Investigation (Closure) from the Arizona Department of Environmental Quality occurred at the former white phosphorous disposal area, based on remoteness of site, depth to groundwater and use of surrounding area (bombing range and explosive ordnance disposal area). No remediation was required, as BMGR concentrations were below EPA Region IX risk based soil screening levels of 55,000 ppb in residential and 720,000 ppb for non-residential areas.